

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025804**Date Inspected:** 17-Jun-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Lv Li Qing**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Segment Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Ramesh Gade, was present during the times noted above for observations relative to the work being performed.

Bay 14 / OBG 14E

This QA Inspector observed the following work in progress:

Shielded Metal Arc Welding (SMAW) in the 2G position of BP to LD repair weld # SEG3019X-098, as per B-WR # 21158. The welder is identified as 216086. ZPMC Quality Control (QC) is identified as Zhu Yuan Yuan. The welding variables recorded by QC appeared to comply with WPS-345-SMAW-2G(2F)-FCM-Repair.

Bay 14 / OBG 14E

This QA Inspector observed the following work in progress:

Flux Core Arc Welding (FCAW) in the 2G position of repair weld # SEG3019W-010, as per B-WR # 21273. The welder is identified as 501946. ZPMC Quality Control (QC) is identified as Zhu Yuan Yuan. The welding variables recorded by QC appeared to comply with WPS-345-FCAW-2G(2F)-ESAB-FCM-Repair.

Bay 14 / OBG 14W

This QA inspector performed verification Magnetic Particle Testing (MT) approximately 15% of the area that has been previously tested and accepted by ABF Quality Assurance (QA) personnel. This QA Inspector generated MT

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## WELDING INSPECTION REPORT

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report for this date. The member is identified as OBG 14W welds as per notification # 9506.

The weld designations reviewed are as follows:

SEG3020H-001, 002, 004, 005, 006, 007, 009, 010, 020, 021, 023, 024, 025, 053, 054, 059, 060, 063, 151, 153, 156, 157, 160, 161, 164, 164, 168, 169

### Summary of Conversations:

No relevant conversations reported on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (+86)15000 42 2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Gade,Ramesh	Quality Assurance Inspector
<b>Reviewed By:</b>	McClendon,Timothy	QA Reviewer

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